

What is claimed is:

1. A dual-mode communication device, comprising:
  - 5 microphone and speaker apparatus including converters for rendering audio data as audible speech, and for rendering audible speech as audio data;
  - a first communication interface comprising circuitry for receiving and sending the audio data on a cell-phone network;; and
  - 10 a second communication interface comprising circuitry for connecting to a local area network (LAN), and for receiving and sending the audio data on the LAN.
2. The dual-mode communication device of claim 1 wherein the device is  
15 implemented in the form of a cell phone.
3. The dual-mode communication device of claim 1 wherein the circuitry for connecting comprises a connector for engaging a hard-wired LAN.
- 20 4. The dual-mode communication device of claim 1 wherein the circuitry for connecting comprises apparatus for communicating with a wireless IP-LAN.
5. The dual-mode communication device of claim 1 further comprising  
25 control routines for negotiating a temporary IP address with the LAN upon connecting to the LAN.
6. A system for telephone communication, comprising:
  - an IP-LAN including an IP telephony server;

a dual-mode communication device comprising first apparatus for conducting telephone calls on a cell-phone network, including a cell-phone number, and second apparatus for conducting telephone calls over the IP-LAN;

5           a publicly-switched telephone network (PSTN) having a trunk connection to the IP telephony server; and

          a PSTN-connected routing server;

          wherein the IP telephony server, upon connection of the dual-mode communication device to the IP-LAN, assigns a temporary IP address to the  
10.       connected device and informs the routing server of the connection and a destination number for the IP telephony server, and wherein the routing server then routes calls for the cell phone number to the IP telephony server, which in turn routes the calls on the IP-LAN to the temporary IP address.

15       7. The system of claim 6 wherein the routing server is hosted by a cell-phone network.

8. The system of claim 6 wherein the routing server is a part of a PSTN service control point (SCP).

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9. The system of claim 6 wherein the IP-LAN is a wireless LAN.

10. The system of claim 6 further comprising a user-editable profile at the cell-phone routing server, enabling a user to list first origination numbers  
25       for cell network delivery and second origination numbers for LAN network delivery, wherein the cell-phone routing server delivers all calls on the cell network unless the dual-mode communication device is logged onto the LAN, in which case all calls from first origination numbers are delivered on

the cell network and calls from the second origination numbers are delivered on the LAN.

11. An IP Local Area Network (IP-LAN) system, comprising:

- 5            an IP telephony server connected on the LAN and to a publicly-switched telephony trunk; and
- control routines executing on the IP telephony server;
- wherein the IP telephony server assigns a temporary IP address to a cell phone-capable device connecting on the LAN, and communicates the
- 10          fact of connection and a destination number for the IP telephony server to a PSTN-connected routing server.

12. The system of claim 11 wherein the PSTN-connected routing server is hosted by a cell-phone network.

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13. The system of claim 11 wherein the PSTN-connected routing server is a part of a PSTN service control point (SCP).

14. The IP-LAN system of claim 11 wherein the LAN is a wireless

20          network.

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15. The IP-LAN system of claim 11 wherein the IP telephony server associates the cell number of the cell phone-capable device with the IP address, and delivers calls received for the cell number to the cell-phone-

25          capable device connected on the LAN.

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16. A method for minimizing cell phone charges for an organization having multiple sites, comprising steps of:

(a) providing an IP-LAN at at least one organization site, the LAN having a PSTN-connected IP server;

(b) providing at least one dual-mode communication device for use by organization personnel, the device capable of connection and communication on both a cell-phone network and on the LAN;

(c) assigning a temporary IP address to the one or more dual-mode communication devices upon connection to the LAN;

(d) associating the IP address with the cell phone number of the dual-mode communication device at the IP server;

(e) communicating the cell phone number and a destination number for the IP server to a PSTN-connected router; and

(f) routing calls for the cell phone number to the dual-mode communication device via a cell phone network during time the dual-mode device is not logged on to the LAN, and to the IP server for routing on the LAN during time the device is logged on to the LAN.

17. The method of claim 17 wherein in step (e) the PSTN-connected router is hosted by a cell-network provider.

18. The method of claim 17 wherein the PSTN-connected router is a part of a PSTN service control point (SCP).